

HELIAX® Hybrid Cable, UL Type TC-OF-ER

## Product Classification

<b>Regional Availability</b>	Asia   Australia/New Zealand   EMEA   Latin America   North America
<b>Portfolio</b>	CommScope®
<b>Product Type</b>	Hybrid cable, copper and fiber
<b>Product Brand</b>	HELIAX®

## General Specifications

<b>Application</b>	Remote radio head
<b>Cable Type</b>	Wireless feeder
<b>Conductors, quantity</b>	12
<b>Construction Type</b>	Shielded
<b>Fiber Short Description</b>	RFF – 6AWG
<b>Fiber Type, quantity</b>	24
<b>Fibers per Subunit, quantity</b>	12
<b>Inner Shield (Tape) Material</b>	Corrugated aluminum
<b>Jacket Color</b>	Black
<b>Strength Members</b>	Glass reinforced plastic rod
<b>Subunit, quantity</b>	2
<b>Total Fiber Count</b>	24

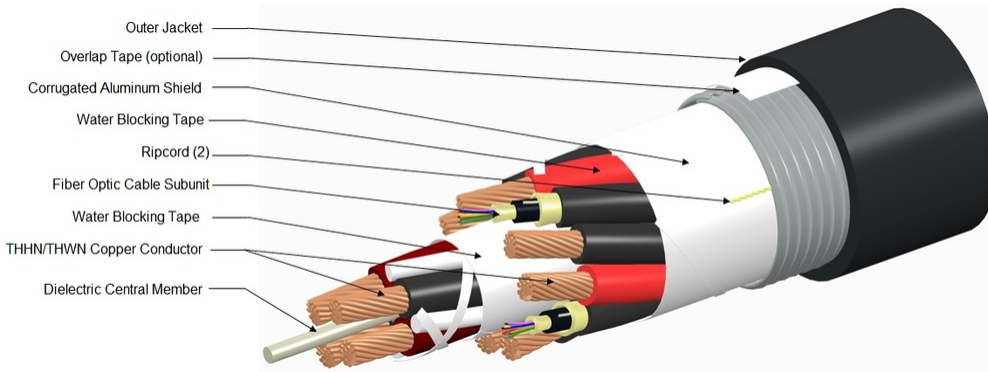
## Dimensions

<b>Buffer Tube/Subunit Diameter</b>	6.096 mm   0.24 in
<b>Diameter Over Jacket</b>	36.068 mm   1.42 in
<b>Conductor Gauge</b>	6 AWG

## Electrical Specifications

<b>dc Resistance Note</b>	Maximum value based on a standard condition of 20 °C (68 °F)
<b>dc Resistance, maximum</b>	1.352 ohms/km   0.412 ohms/kft

## Representative Image



## Material Specifications

**Ripcord Material** Para-aramid synthetic fiber

## Mechanical Specifications

**Minimum Bend Radius, multiple bends, loaded** 721.36 mm | 28.4 in  
**Minimum Bend Radius, multiple bends, unloaded** 444.5 mm | 17.5 in  
**Tensile Load, long term, maximum** 2,001.699 N | 450 lbf  
**Tensile Load, short term, maximum** 6,672.33 N | 1500 lbf  
**Compression** 4.465 kg/mm | 250 lb/in  
**Compression Test Method** FOTP-41  
**Flex Test Method** FOTP-104  
**Impact** 4.34 ft lb | 5.884 N-m  
**Impact Test Method** FOTP-25  
**Twist** 10 cycles  
**Twist Test Method** FOTP-85

## Optical Specifications

**Fiber Type** G.657.A2/B2 | G.657.A2/B2

## Environmental Specifications

**Installation temperature** -30 °C to +70 °C (-22 °F to +158 °F)  
**Operating Temperature** -40 °C to +80 °C (-40 °F to +176 °F)  
**Storage Temperature** -40 °C to +80 °C (-40 °F to +176 °F)  
**Cable Qualification Standards** ANSI/ICEA S-104-696 | ANSI/ICEA S-87-640 | Telcordia GR-20 | Telcordia GR-409 | UL 1277

# 760236218 | HTC-24SM-1206-APVA

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## Environmental Space

Wireless installation

## Packaging and Weights

### Cable weight

2,366.181 kg/km | 1590 lb/kft

## Regulatory Compliance/Certifications

### Agency

### Classification

CHINA-ROHS

Below maximum concentration value

REACH-SVHC

Compliant as per SVHC revision on [www.commscope.com/ProductCompliance](http://www.commscope.com/ProductCompliance)

ROHS

Compliant



## Included Products

CS-8G-MP

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Enhanced Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber (ITU-T G.657.A2, B2)

## \* Footnotes

**Operating Temperature** Specification applicable to non-terminated bulk fiber cable